

What is claimed is:

1. An optical encoder comprising:
a light emitting unit for emitting light;
a light receiving unit for detecting light having wavelengths in a predetermined detection range emitted from said light emitting unit; and
a code plate arranged between said light emitting unit and said light receiving unit, and having a code pattern formed of resin material to be constituted of translucent portions and non-translucent portions,
wherein said resin material has spectral transmittance not less than 70% with respect to the light having wavelengths in the predetermined detection range and has spectral transmittance not greater than 50% with respect to light having wavelengths in a range different from the predetermined detection range, which is at least a part of a visible wavelength range, at said translucent portions.
2. An optical encoder according to claim 1, wherein the light having wavelengths in the predetermined detection range is infrared light.
3. An optical encoder according to claim 1, wherein said resin material has spectral transmittance not greater than 50% with respect to blue visible light.
4. An optical encoder according to claim 1, wherein said resin material comprises any one of polyetherimide, polyethersulfone and polyphenylsulfone.